

**Amendments to the Abstract:**

Please amend the abstract as follows:

The An optical analysis system (1), which is arranged to determine amplitude of a principal component of an optical signal[[.]], includes ~~The optical analysis system (1) comprises~~ a first detector (5) for detecting the optical signal weighted by a first spectral weighting function, and a second detector (6) for detecting the optical signal weighted by a second spectral weighting function. For an improved signal-to-noise ratio, the optical analysis system (1) further includes ~~comprises~~ a dispersive element (2) for spectrally dispersing the optical signal, and a distribution element (4) for receiving the spectrally dispersed optical signal and for distributing a first part of the optical signal weighted by the first spectral weighting function to the first detector (5) and a second part of the optical signal weighted by the second spectral weighting function to the second detector (6). ~~The spectroscopic analysis system (30) and the blood analysis system (40) each comprise an~~ optical analysis system (1) is suited for use in numerous applications including a spectroscopic analysis system (30) and a blood analysis system (40) according to the invention.